

Amendment and Response

Applicant: Travis J. Parry

Serial No.: 10/086,746

Filed: February 28, 2002

Docket No.: 10012900-1

Title: DEVICE-SPECIFIC FIREWALL

IN THE CLAIMS

Please cancel claims 13 and 14 without prejudice.

Please add claims 24-29.

Please amend claims 1, 5-12, 15-17, and 20 as follows:

1. (Currently Amended) A printing system, comprising:
a printer including:
 - a processor;
 - a printing component in communication with said processor; and
 - a filtering program stored in a memory device or firmware of said printer and associated with said processor so as to control printing of a file by said printing component based on ~~at least one of a presence or absence of~~ at least one prespecified characteristic from a packet including said file,
wherein if said at least one prespecified characteristic is an undesirable characteristic, processing of said file is terminated, and
wherein if said at least one prespecified characteristic is a desirable characteristic, processing of said file proceeds.
~~each at least one prespecified characteristic independently selected from a group consisting of: a file type, a source computer identifier, a user identifier, a file size, a password, time of transmission, cumulative number of files sent by a user, cumulative number of files sent by a user over a given time, file string, and time-consuming print commands.~~
- 2-4. (Cancelled)
5. (Currently Amended) The printing system of claim 1, wherein said at least one prespecified characteristic comprises at least one of a file type, a source computer identifier, a user identifier, a file size, a password, time of transmission, cumulative number of files sent by a user, cumulative number of files sent by a user over a given time, file string, and time-consuming print commands ~~an undesirable characteristic and a desirable characteristic.~~

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6. (Currently Amended) The printing system of ~~claim 5~~ claim 1, wherein said filtering program causes said processor to prevent said printing component from printing a file of a packet having at least one said undesirable characteristic.
7. (Currently Amended) The printing system of ~~claim 5~~ claim 1, wherein said filtering program instructs said processor to cause said printing component to print a file of a packet having said desirable characteristic.
8. (Currently Amended) The printing system of ~~claim 5~~ claim 1, wherein said filtering program instructs said processor to cause said printing component to print said file only if said packet lacks said undesirable characteristic and has said desirable characteristic.
9. (Currently Amended) The printing system of ~~claim 5~~ claim 1, wherein said undesirable characteristic comprises one of a file type, a file string, a source computer identifier, a user identifier, a file size, and at least one prespecified command.
10. (Currently Amended) The printing system of ~~claim 5~~ claim 1, wherein said desirable characteristic comprises one of a source computer identifier, a user identifier, a file type, and a password.
11. (Currently Amended) A method for filtering data received by a printer, comprising:
transmitting an unfiltered printing packet comprising at least one file from a source computer,
across a network, to a printer of said network;
receiving said unfiltered printing packet at said printer;
evaluating at said printer at least one prespecified characteristic of said printing packet by a
processor housed within said printer, ~~each at least one prespecified characteristic~~
~~independently selected from a group consisting of: a file type, a file string, a source~~
~~computer identifier, a user identifier, a file size, a password, time of transmission,~~
~~cumulative number of files sent by a user, cumulative number of files sent by a user~~
~~over a given time, and time-consuming print commands; and~~

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controlling processing of said at least one file of said printing packet by said printer based on said evaluating, including preventing processing of said at least one file if said at least one prespecified characteristic is an undesirable characteristic, and permitting processing of said at least one file if said at least one prespecified characteristic is a desirable characteristic.

12. (Currently Amended) The method of claim 11, wherein said evaluating at least one prespecified characteristic comprises evaluating at least one of a file type, a file string, a source computer identifier, a user identifier, a file size, a password, time of transmission, cumulative number of files sent by a user, cumulative number of files sent by a user over a given time, and time-consuming print commands ~~an undesirable characteristic and a desirable characteristic.~~

13-14. (Cancelled)

15. (Currently Amended) The method of ~~claim 12~~ claim 11, wherein said controlling comprises permitting processing of said at least one file of said printing packet by said printer if said printing packet lacks said undesirable characteristic and has said desirable characteristic.

16. (Currently Amended) The method of ~~claim 12~~ claim 11, wherein said evaluating comprises evaluating said printing packet for at least one said undesirable characteristic comprising at least one of a file type, a file string, a source computer identifier, a user identifier, a file size, and at least one prespecified command.

17. (Currently Amended) The method of ~~claim 12~~ claim 11, wherein said evaluating comprises evaluating said printing packet for at least one said desirable characteristic comprising at least one of a source computer identifier, a user identifier, a file type, and a password.

18-19. (Cancelled)

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20. (Currently Amended) A system for filtering a file transmitted to a printer, comprising:

a printer comprising:

a processor in communication with a network across which at least one file has been transmitted; and

a filtering program associated with said processor so as to control printing of said at least one file by said printer based on ~~at least one of a presence or absence of~~ at least one prespecified characteristic from a packet including said at least one file,

wherein printing is prevented if said at least one prespecified characteristic is an undesirable characteristic, and

wherein printing is conducted if said at least one prespecified characteristic is a desirable characteristic.

~~each at least one prespecified characteristic independently selected from a group consisting of: a file type, a file string, a source computer identifier, a user identifier, a file size, a password, time of transmission, cumulative number of files sent by a user, cumulative number of files sent by a user over a given time, and time consuming print commands, said packet, prior to filtering, further including instructions for said printer, the instructions comprising:~~

~~information about a source of media onto which printing of said at least one file is to be effected, information about orientation in which said at least one file is to be printed on a media, information about whether printing is to be effected on one or two sides of a media, information about a number of copies to be printed, or information about whether multiple copies should be collated.~~

21. (Original) The system of claim 20, wherein said filtering program is stored by at least one of a memory device and firmware.

22-23. (Cancelled)

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24. (New) The printing system of claim 1, wherein a message is generated if processing of said file is terminated.

25. (New) The method of claim 11, further comprising:
sending a message to said source computer if processing of said at least one file is prevented.

26. (New) The system of claim 20, wherein said at least one prespecified characteristic comprises at least one of a file type, a file string, a source computer identifier, a user identifier, a file size, a password, time of transmission, cumulative number of files sent by a user, cumulative number of files sent by a user over a given time, and time-consuming print commands.

27. (New) The system of claim 20, wherein said packet, prior to filtering, further includes instructions for said printer, the instructions comprising information about a source of media onto which printing of said at least one file is to be effected, information about orientation in which said at least one file is to be printed on a media, information about whether printing is to be effected on one or two sides of a media, information about a number of copies to be printed, or information about whether multiple copies should be collated.

28. (New) The system of claim 20, further wherein printing is conducted only if said at least one prespecified characteristic lacks said desirable characteristic and has said desirable characteristic.

29. (New) The system of claim 20, wherein a message is generated if printing is prevented.